

## CLAIMS:

1. Apparatus for reproducing handwritten input, comprising:

an input device for inputting one or more handwritten characters,

a recognition unit for recognizing the one or more handwritten characters,

a selection unit for selecting a font, and

5 a display unit for on a display device in the selected font displaying one or more display characters corresponding to respective ones of the recognized handwritten characters, characterized in that

the selection unit is arranged to select the font on the basis of the one or more handwritten characters.

10 2. Apparatus as claimed in claim 1 further comprising a creation unit for creating a new font on the basis of the one or more handwritten characters, wherein the selection unit is arranged to select the new font as the selected font in which the one or more display characters are displayed.

15 3. Apparatus as claimed in claim 2, wherein the creation unit is arranged to create the font on basis of averaging over a number of handwritten characters and on the basis characteristics in this number of handwritten characters.

20 4. Apparatus as claimed in claim 1, comprising a segmentation unit for segmenting the inputted handwritten characters into one or more words and a spell check unit for verifying the presence of the one or more words in an electronic dictionary.

25 5. Apparatus as claimed in claim 1, comprising a further input device for inputting further characters, wherein the display unit is arranged for on the display device in the selected font displaying one or more display characters corresponding to respective ones of the further characters.

6. System for transmission of handwritten input comprising:

- a transmitter having an input device for inputting one or more handwritten characters, a recognition unit for recognizing the one or more handwritten characters and representing them as one or more respective character codes, a selection unit for selecting a font, and transmission means for transmitting the one or more characters codes and a font identification of the selected font to a transmission medium; and

- a receiver having receiving means for receiving the one or more character codes and the font identification from the transmission medium and a display unit for on a display device in the selected font displaying one or more display characters corresponding to respective ones of the character codes;

characterized in that

the selection unit is arranged to select the font on the basis of the one or more handwritten characters.

7. System as claimed in claim 6, wherein the transmitter further comprises a creation unit for creating a new font on the basis of the one or more handwritten characters, wherein the selection unit is arranged to select the new font as the selected font for display, wherein the transmitting means is arranged to transmit the new font to the transmission medium, and wherein the receiving means is arranged to receive the new font from the transmission medium.

8. Transmitter for use in a system for transmission of handwritten input, the transmitter comprising an input device for inputting one or more handwritten characters, a recognition unit for recognizing the one or more handwritten characters and representing them as one or more respective character codes, a selection unit for selecting a font, and transmission means for transmitting the one or more characters codes and a font identification of the selected font to a transmission medium, characterized in that the selection unit is arranged to select the font on the basis of the one or more handwritten characters.

9. Method of reproducing handwritten input, comprising the steps of:

- inputting one or more handwritten characters,
- recognizing the one or more handwritten characters,
- selecting a font, and

- in the selected font displaying one or more display characters corresponding to respective ones of the recognized handwritten characters, characterized in that the font is selected on the basis of the one or more handwritten characters.

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10. Method as claimed in claim 9, wherein the font is selected when a predetermined number of characters have been recognized.

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11. Computer program for carrying out the steps of the method according to claim 9 or 10.

12. Tangible medium carrying the computer program of claim 11.